

Recover Protected Species

Budget Trends and FY 2003 Priorities

**Phil Williams, Chief
Endangered Species Program NOAA Fisheries
February 27, 2001**

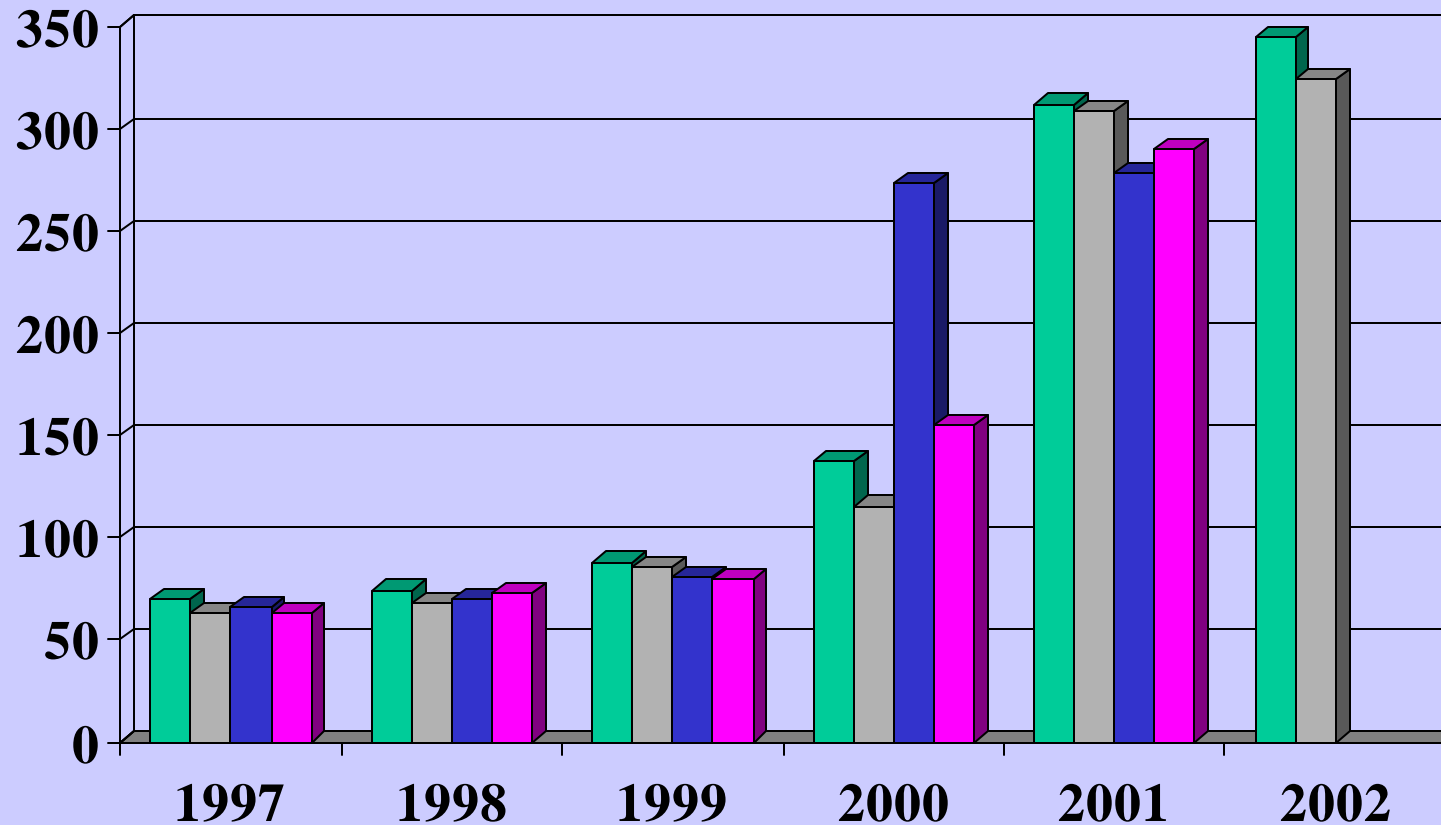
Recover Protected Species *Overview*

The background of the slide is a photograph of a diver in a blue wetsuit and mask, holding a large blue mesh net. Inside the net, a sea turtle is visible, its head and front flippers protruding. The scene is set underwater, with light rays filtering through the water.

- **Historical Funding Support**
- **Major Accomplishments**
- **Budget and Performance Linkage**
- **Lessons Learned**
- **Suggestions for FY2003**

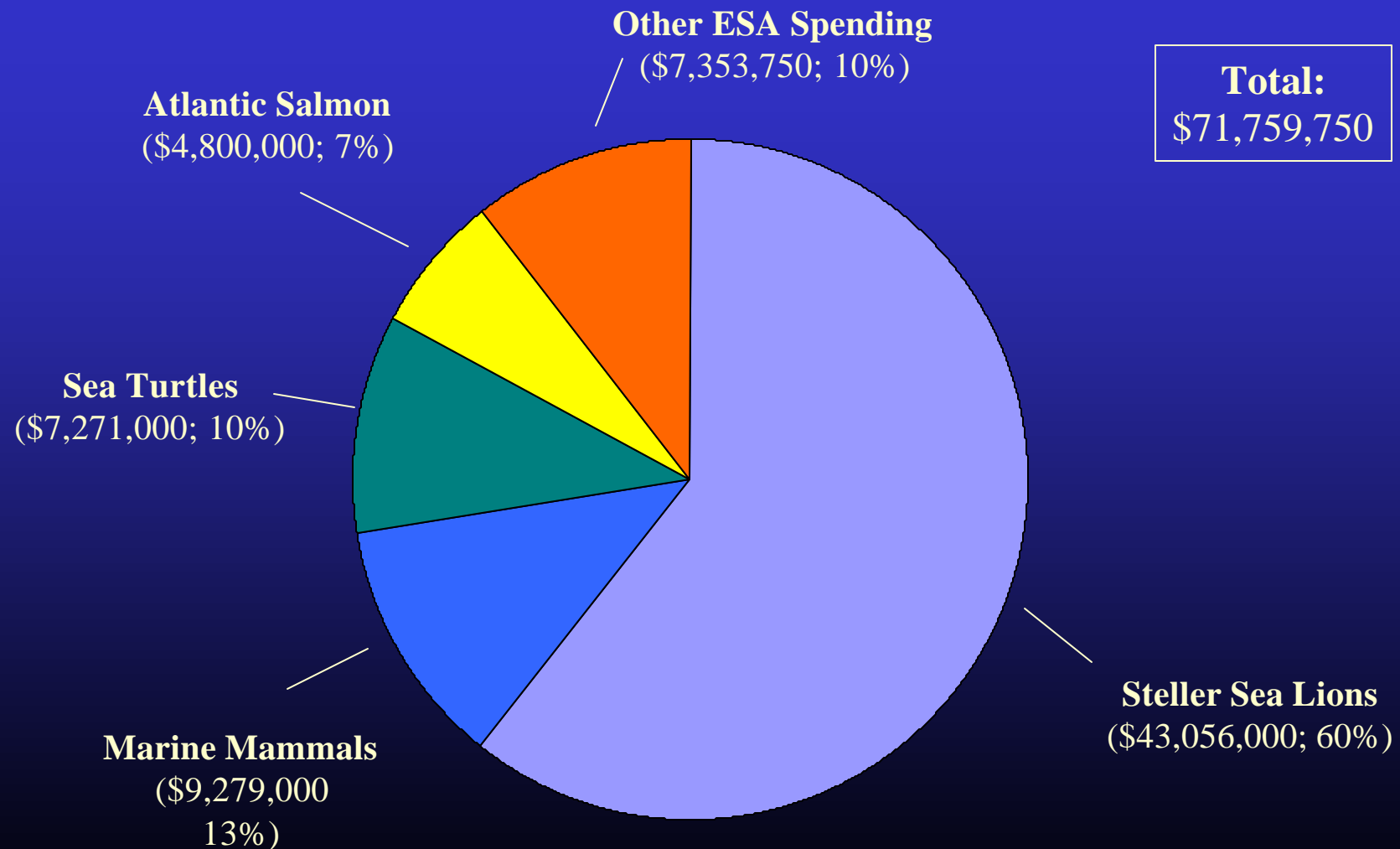
Recover Protected Species: *Budget Trends*

\$M

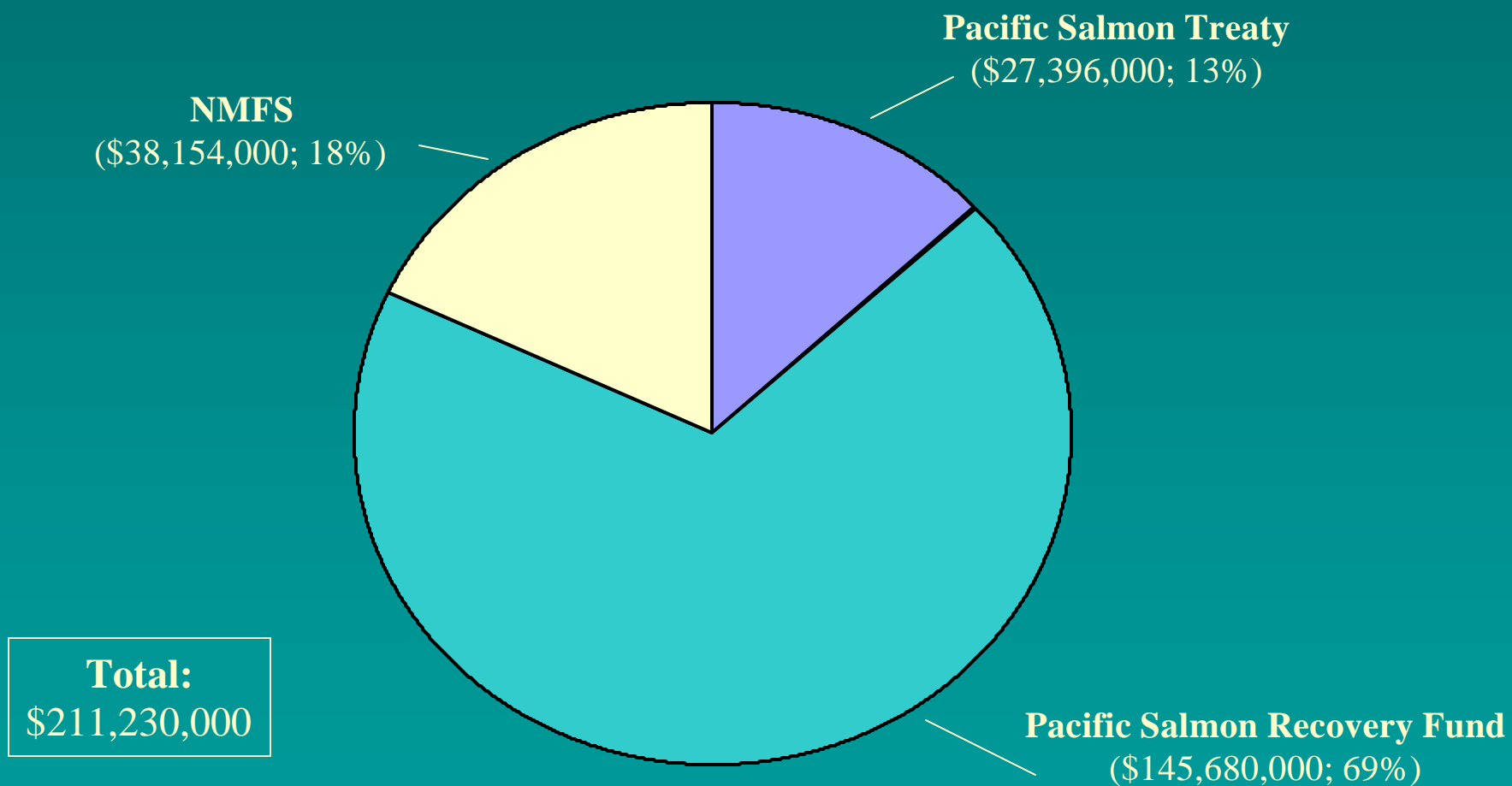


 Secretarial Request	 OMB Submission
 Congressional Request	 Enacted

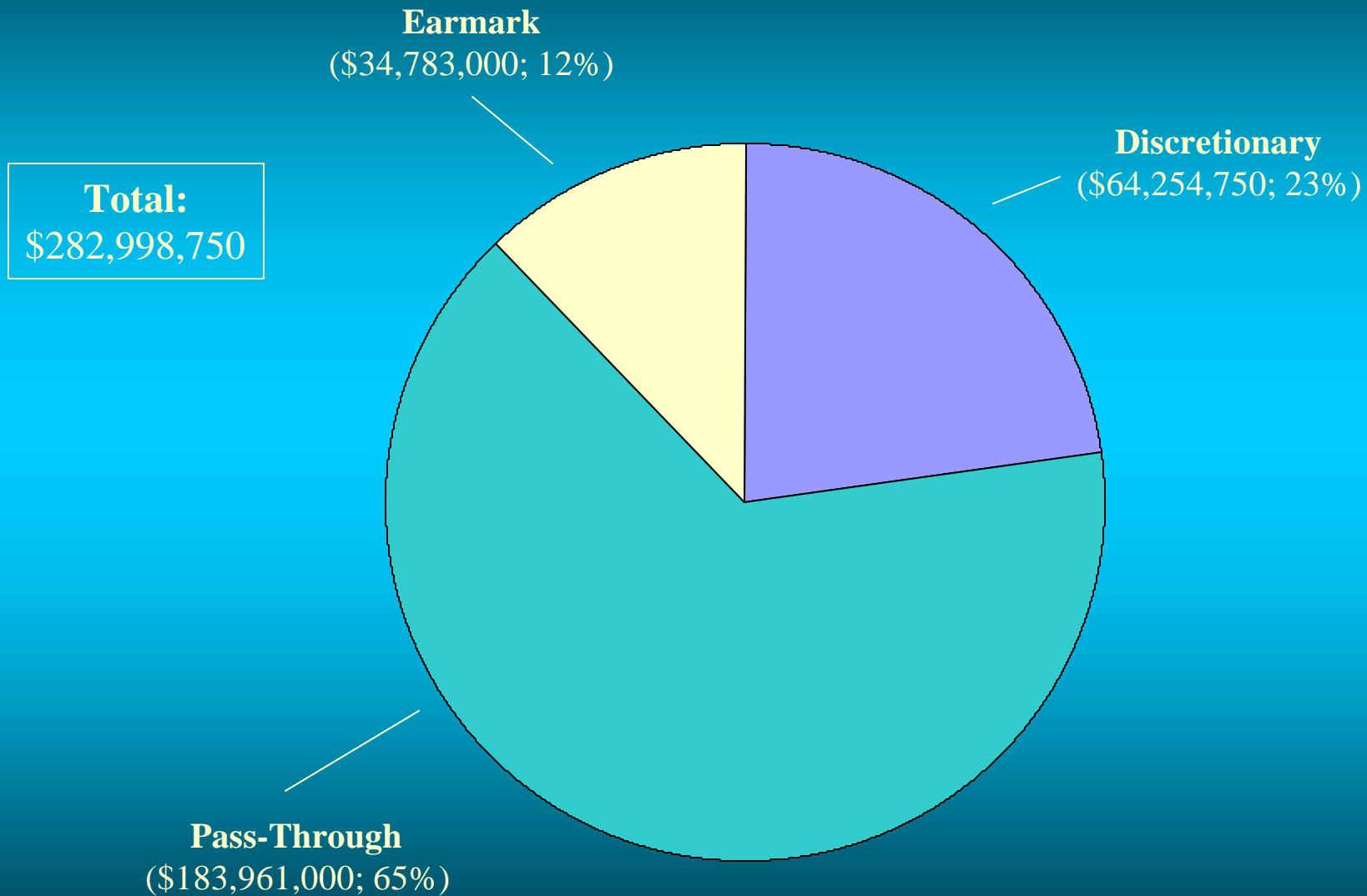
Budget Breakout - Endangered Species Spending (excluding Pacific salmon)



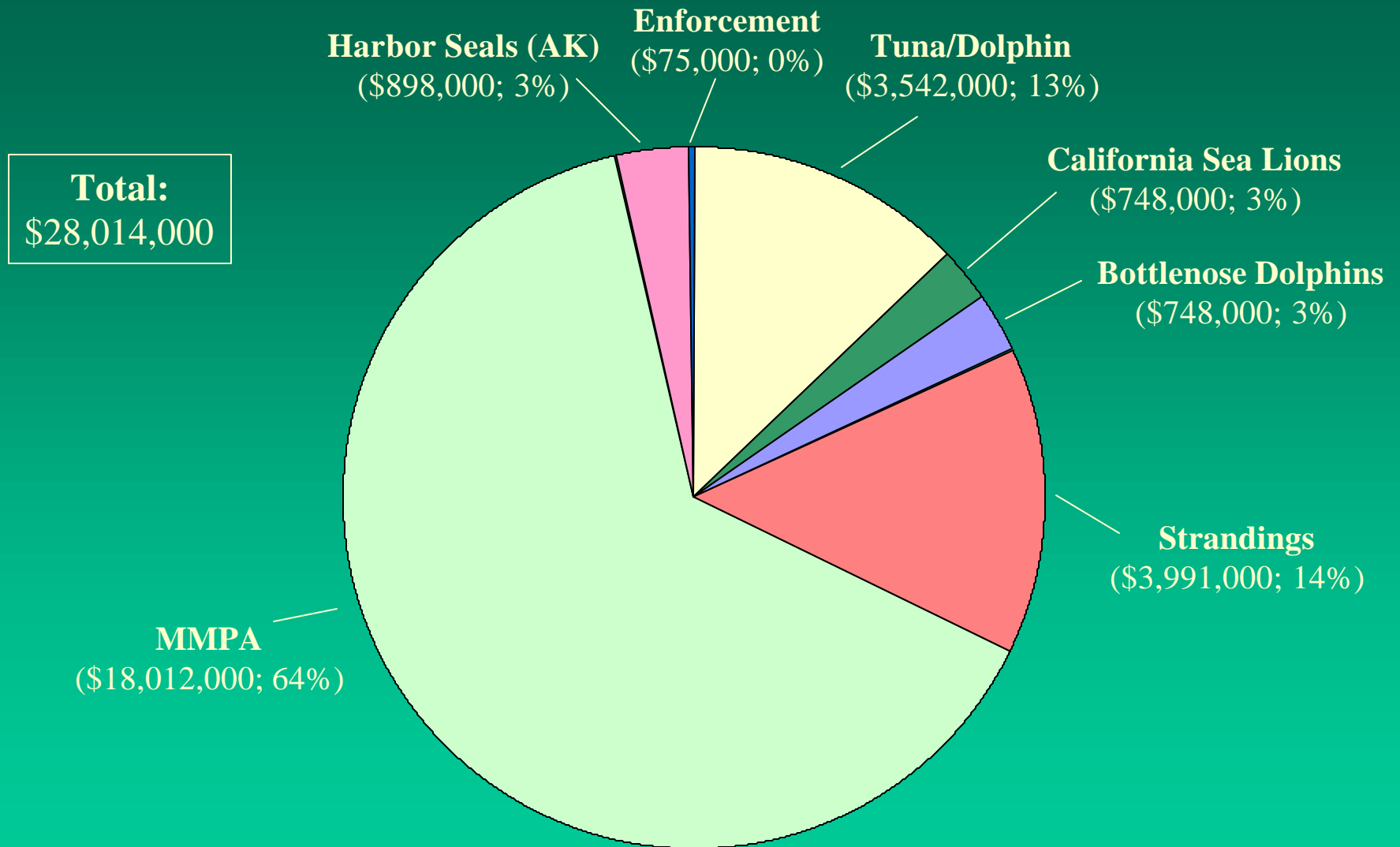
Budget Breakout - Pacific Salmon Recovery Spending



Endangered Species Spending Types



Budget Breakout - Marine Mammal Spending



Recover Protected Species

Greatest Accomplishments



Recover Protected Species: *Accomplishments*

Greatest accomplishments in the last 5 years?

- **Provided ESA protection for 26 stocks of Pacific salmon (established an agency within an agency)**
 - Improved implementation of ESA
- **Reduced fishery-causes mortality of marine mammals in three fisheries**
 - Take Reduction Plans improved conservation.
- **Concentrated efforts to recover species at risk of extinction**
 - Atlantic right whale, HI monk seal, Steller sea lion, Pacific leatherback and Atlantic northern loggerhead turtles.
- **International conservation of endangered species**
- **Emergency response capability and determination of causes for unusual mortality events**

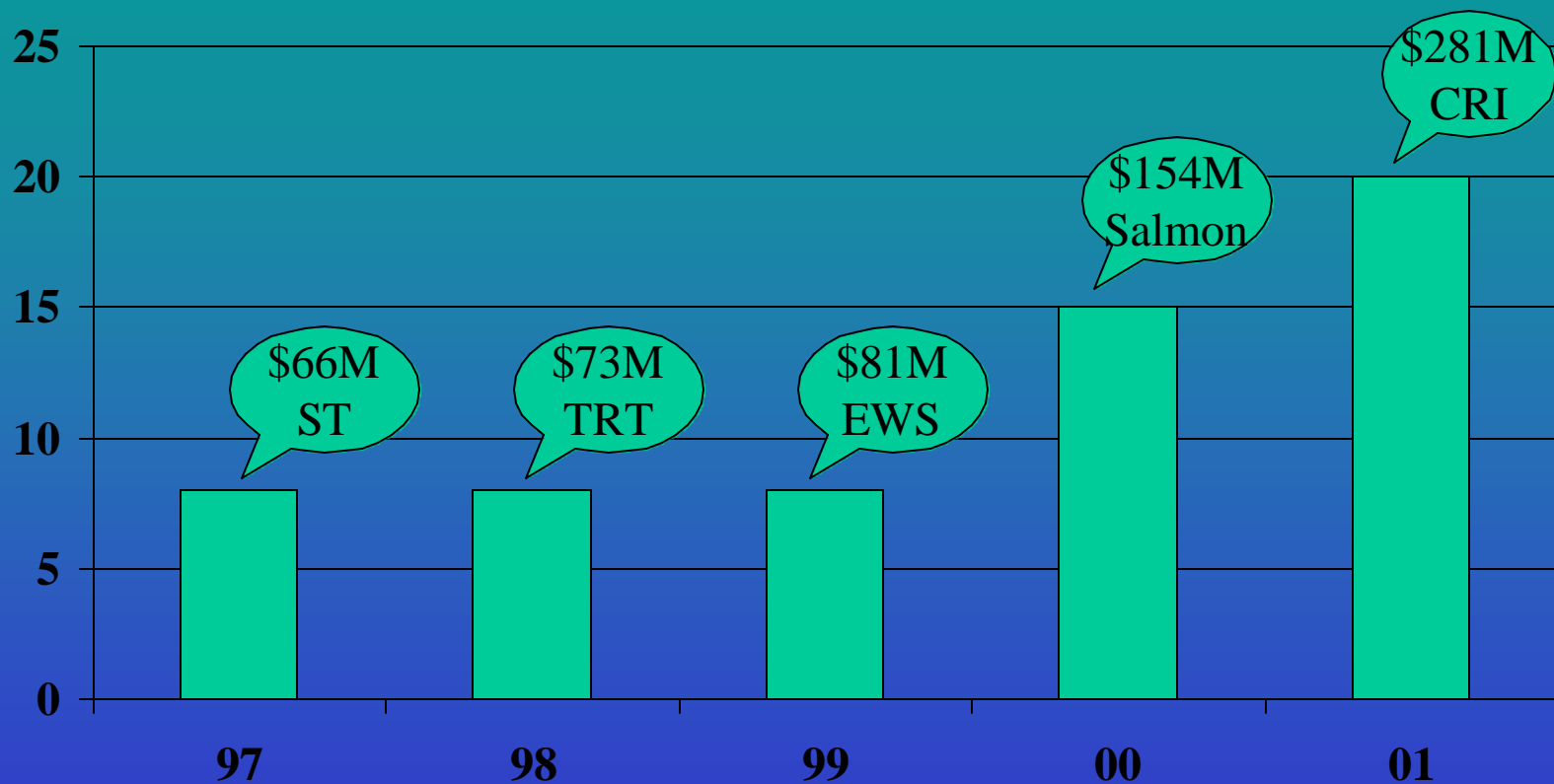
Recover Protected Species

Budget and Performance Linkages?



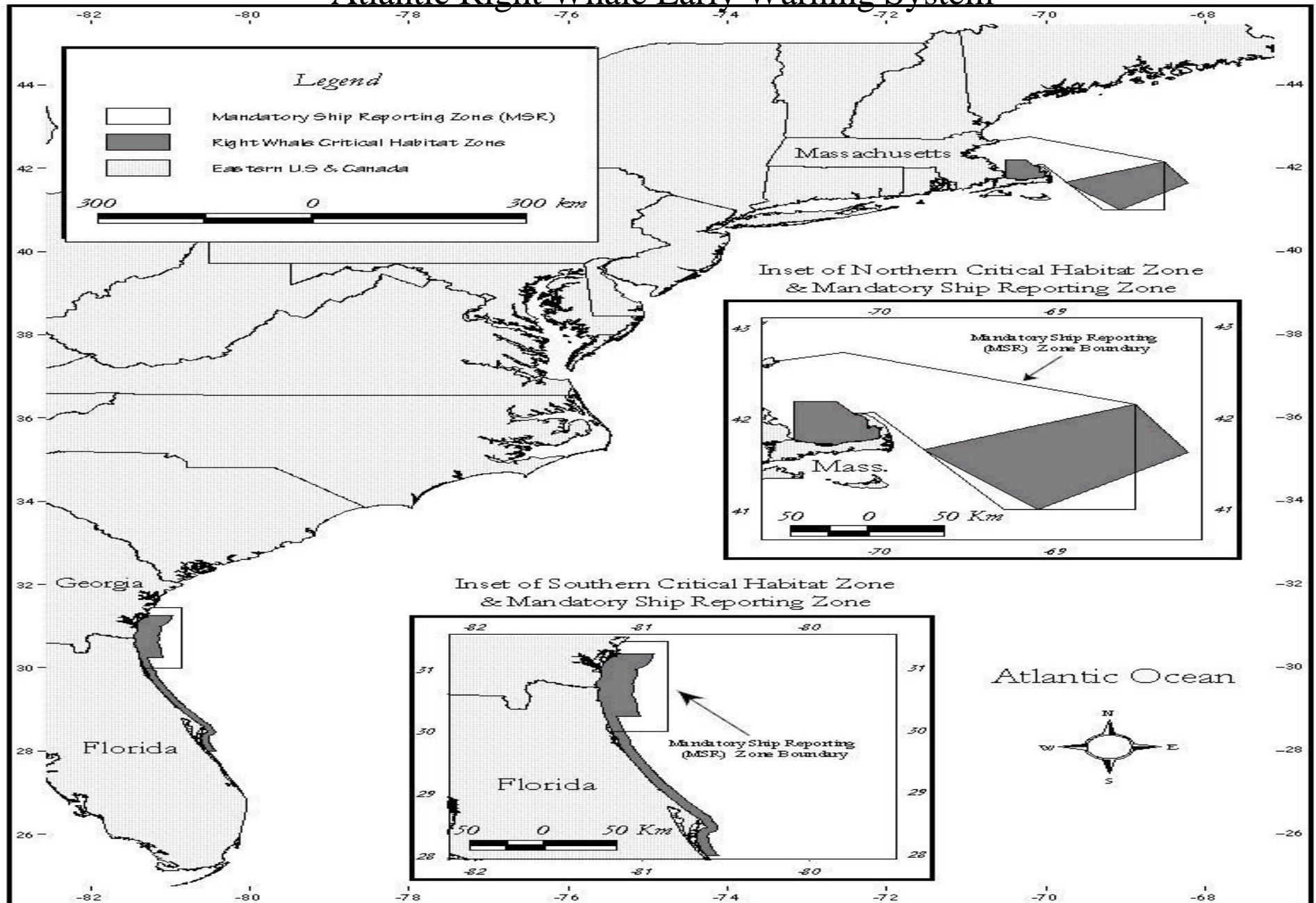
Recover Protected Species: *Performance Measurement*

Priority Recovery Actions Implemented



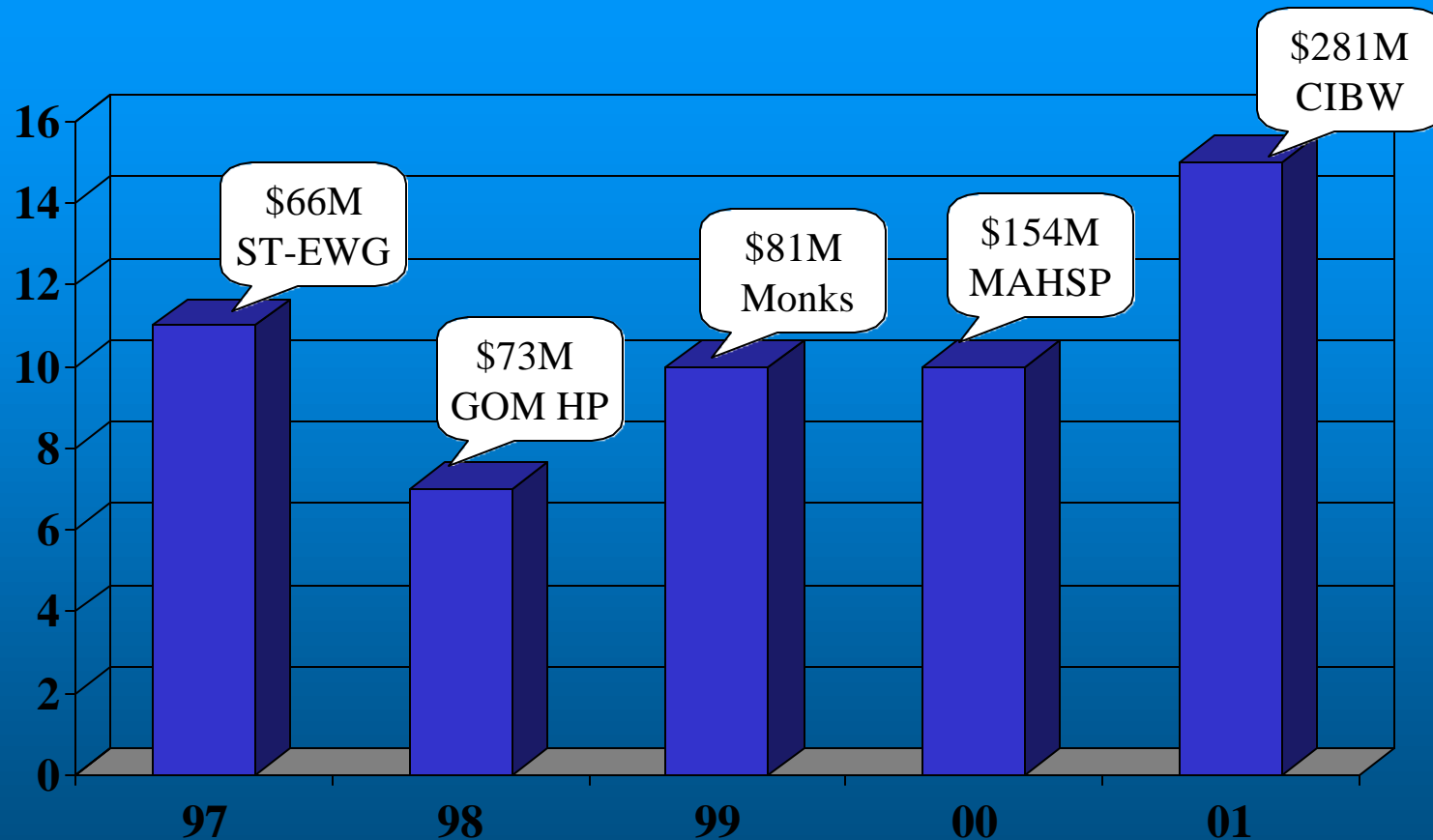
Recover Protected Species

Atlantic Right Whale Early Warning System



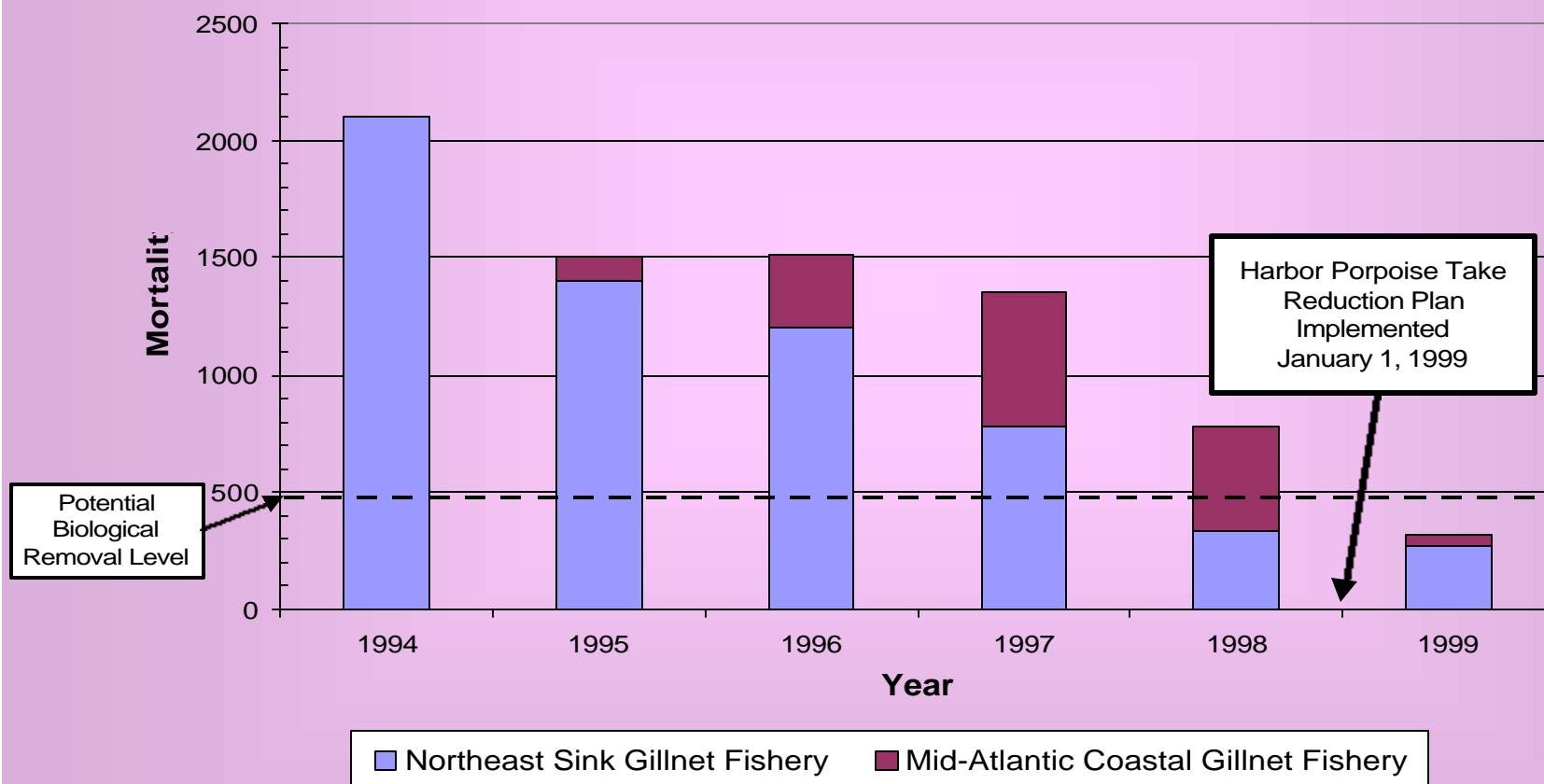
Recover Protected Species: *Performance Measurement*

Investigations on Mortality of Protected Species



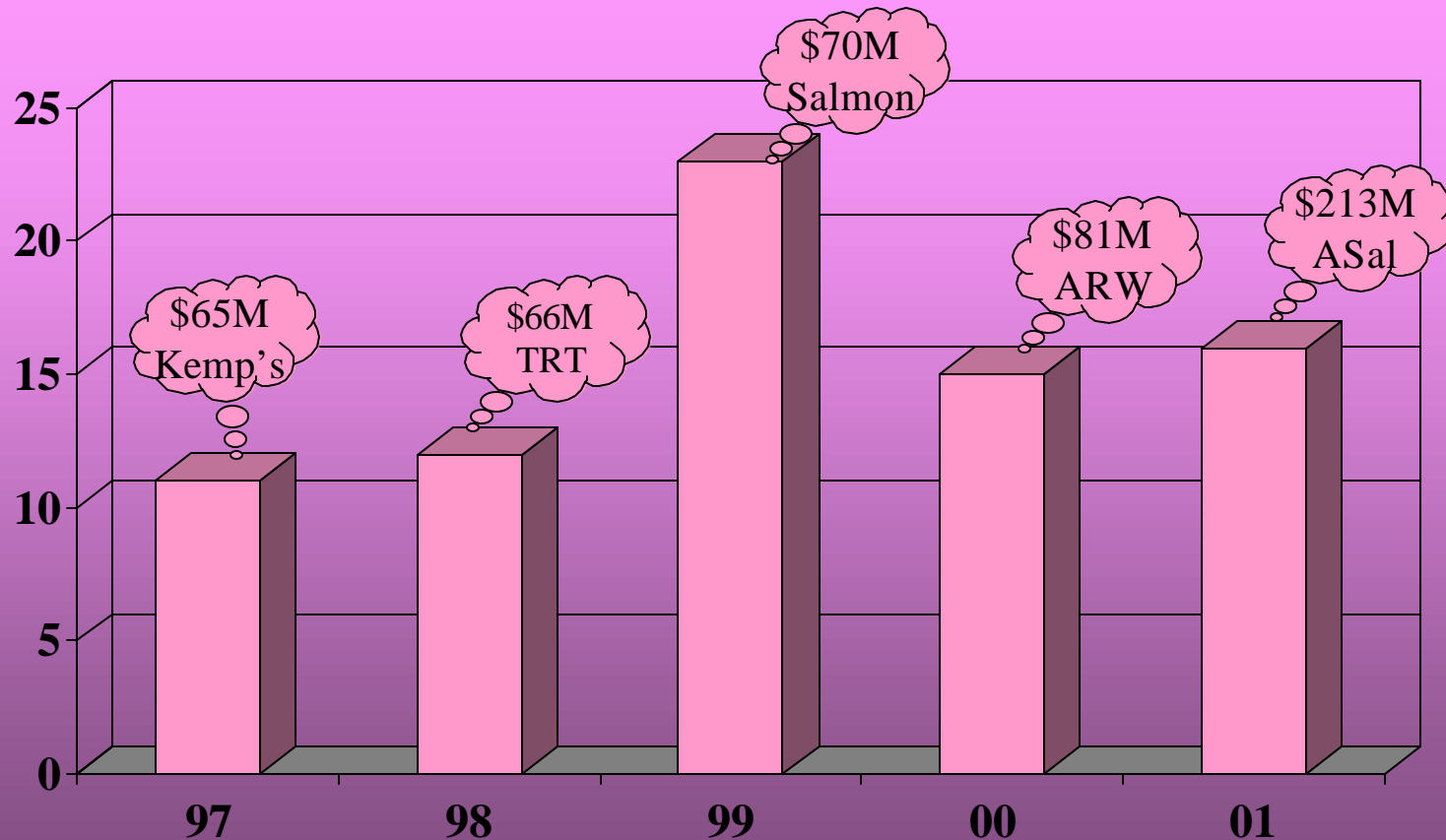
Recover Protected Species

Reduced Fishery-Related Mortality of Harbor Porpoise



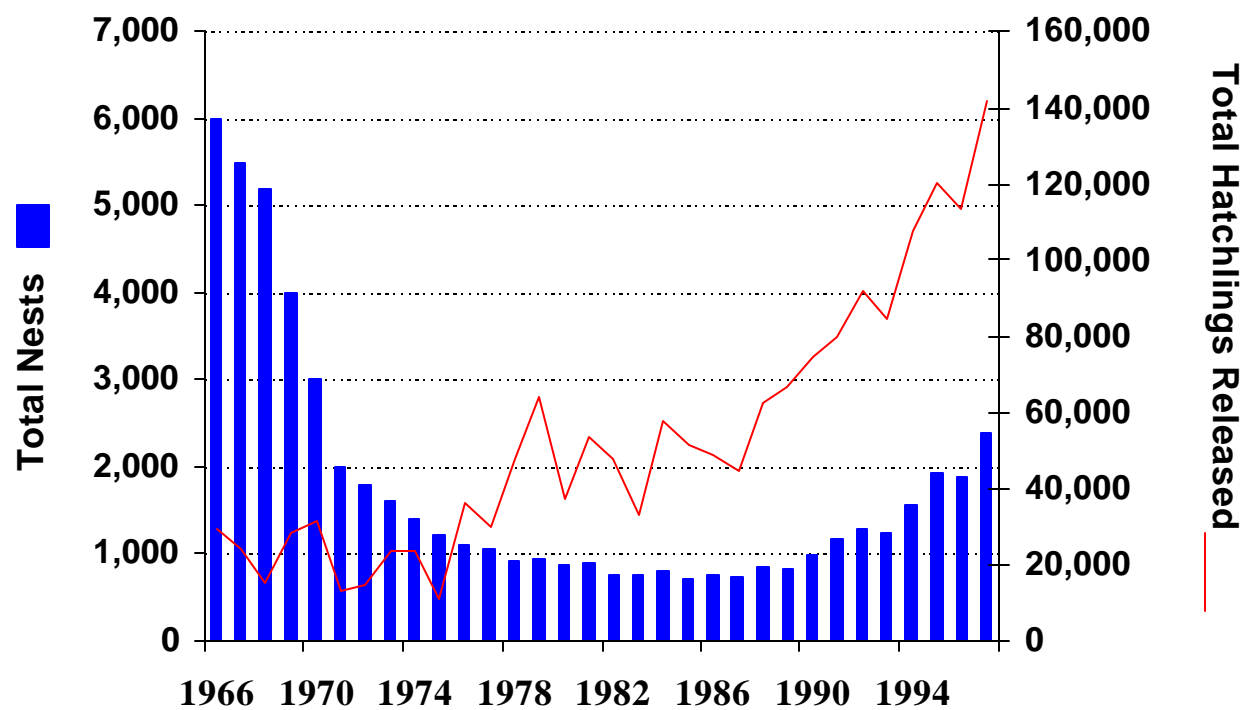
Recover Protected Species: *Performance Measurement*

Species with population status improved



Kemp's Ridley Sea Turtles (*Lepidochelys kempii*), 1966 - 1997

Data from joint report of SEMARNAP and USFWS (1997)
and Marquez (unpublished data)



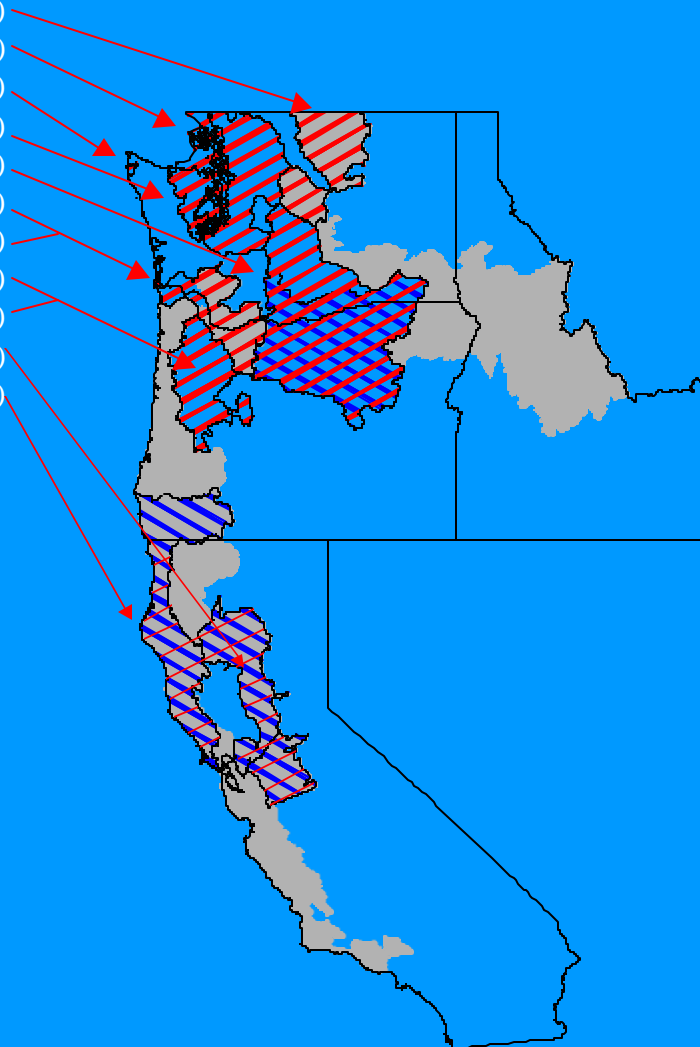
Pacific Salmon ESA Listings

1999 Listings (11 ESUs)

- Upper Columbia River Spring-run Chinook (Endangered)
- Puget Sound Chinook (Threatened)
- Ozette Lake Sockeye (Threatened)
- Hood Canal Summer-run Chum (Threatened)
- Middle Columbia River Steelhead (Threatened)
- Lower Columbia River Chinook (Threatened)
- Columbia River Chum (Threatened)
- Upper Willamette River Chinook (Threatened)
- Upper Willamette River Steelhead (Threatened)
- Central Valley Spring-run Chinook (Threatened)
- California Coastal Chinook (Threatened)

Previously Listed ESUs (15 ESUs)

- Sacramento River Winter-run Chinook (Endangered)
- Snake River Spring/Summer Chinook (Threatened)
- Snake River Fall Chinook (Threatened)
- Central CA Coast Steelhead (Threatened)
- South-Central CA Coast Steelhead (Threatened)
- Southern CA Steelhead (Endangered)
- Upper Columbia River Steelhead (Endangered)
- Lower Columbia River Steelhead (Threatened)
- Snake River Steelhead (Threatened)
- CA Central Valley Steelhead (Threatened)
- Oregon Coast Coho (Threatened)
- Southern OR/Northern CA Coho (Threatened)
- Central CA Coast Coho (Threatened)
- Snake River Sockeye (Endangered)
- Umpqua River Cutthroat (Endangered)

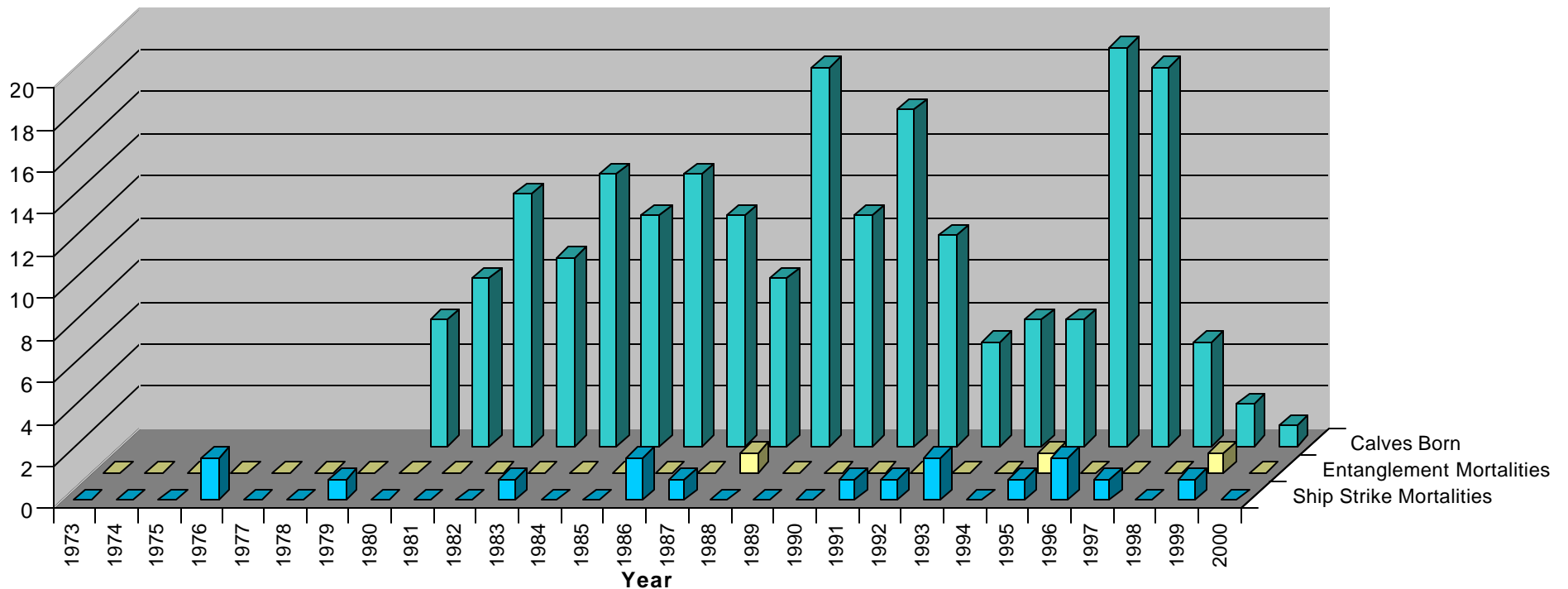


* An **Evolutionarily Significant Unit** or “ESU” is a distinctive group of Pacific salmon (salmon, steelhead or sea-run cutthroat trout).

Recover Protected Species

Accomplishments - Challenges

Right Whale Mortalities and Births



* Note: Between 1972 and 1999 there were 34 documented incidents of injury resulting from ship strikes and entanglements; 7 from ship strikes and 27 from fishing gear entanglement. Additionally, an estimated 10%-20% of all calves do not survive their first year.

December 8, 2000

RPS Program Annual Review

Recover Protected Species:

What are the outstanding issues?

- **What team issues have not been addressed/funded? What is the impact of these funding shortfalls? Why were these issues not funded?**
- Issues that are not crisis related are not generally funded.
- Impact is loss of ability to conduct:
 - mandated stock assessments and monitoring
 - research on causes and effects
 - developing mitigation measures.
- Without base restoration, initiatives are taxed to support shortfalls

Recover Protected Species: *Summary & Suggestions*

Lessons learned from the process

- Teamwork improves communication and understanding - sometimes it influences program direction
- Appropriations are too often made independent of strategic planning and budget formulation
- Cross team/LO cooperation is undercut by budget and agency turf battles

Recover Protected Species: *Summary & Suggestions*

Suggestions for FY03 priority funding areas

- Fully Funded Adjustments to Base
- Restore scientific and management capability beyond crises (\$20M)
 - Supports good news stories - whale delisting?
 - Provides ecosystem level understanding and mitigation

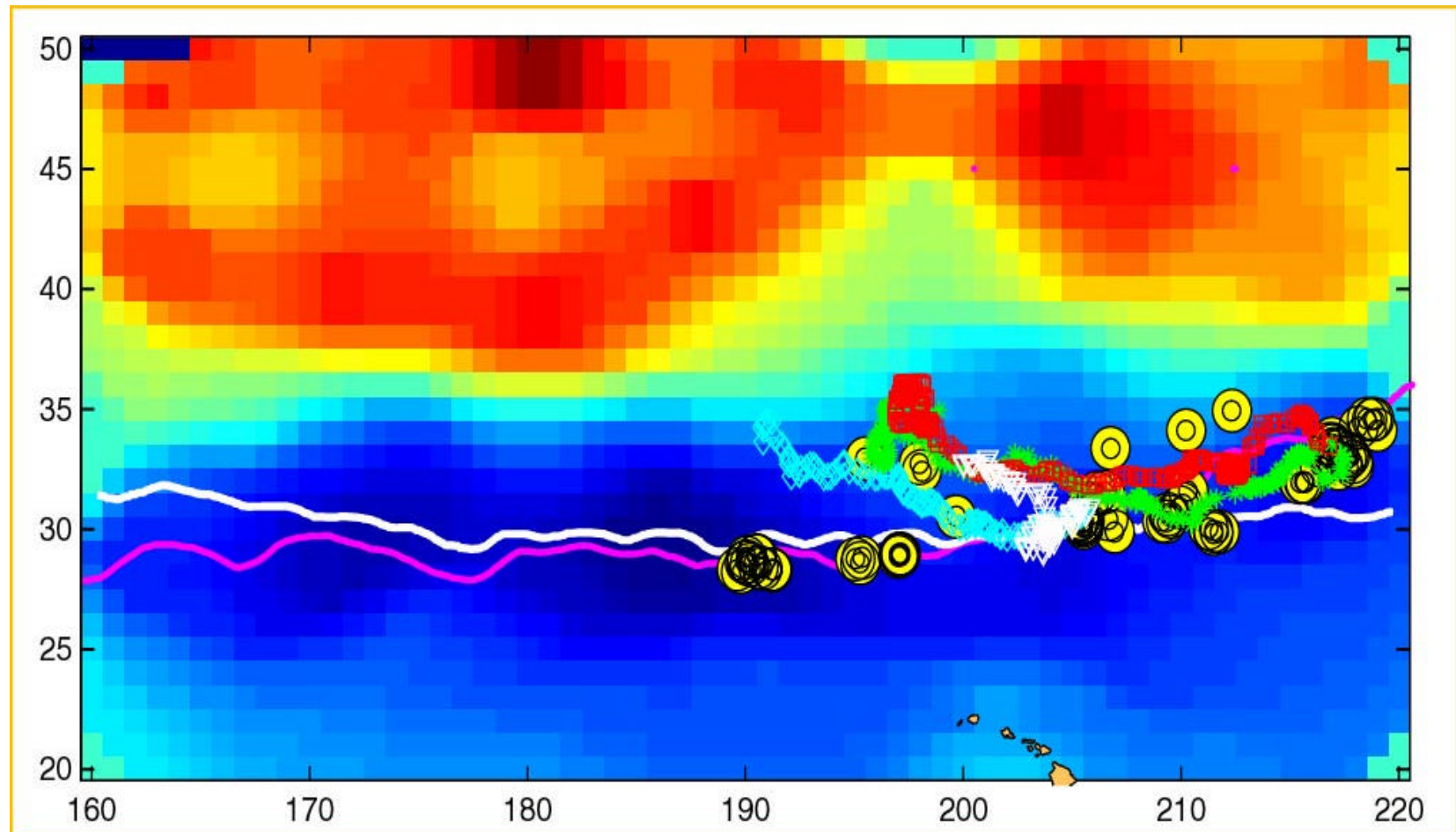
Recover Protected Species

Geographic Region	Number of Stocks	Number Assessed
Atlantic	62	53
Pacific	56	32
Alaska	35	27
Total	153	112

Marine Mammal Stock Assessments

Ecosystem Level Understanding and Mitigation

North Pacific Wind Curl, SST, Chl a, Swordfish CPUE and Turtle Tracks

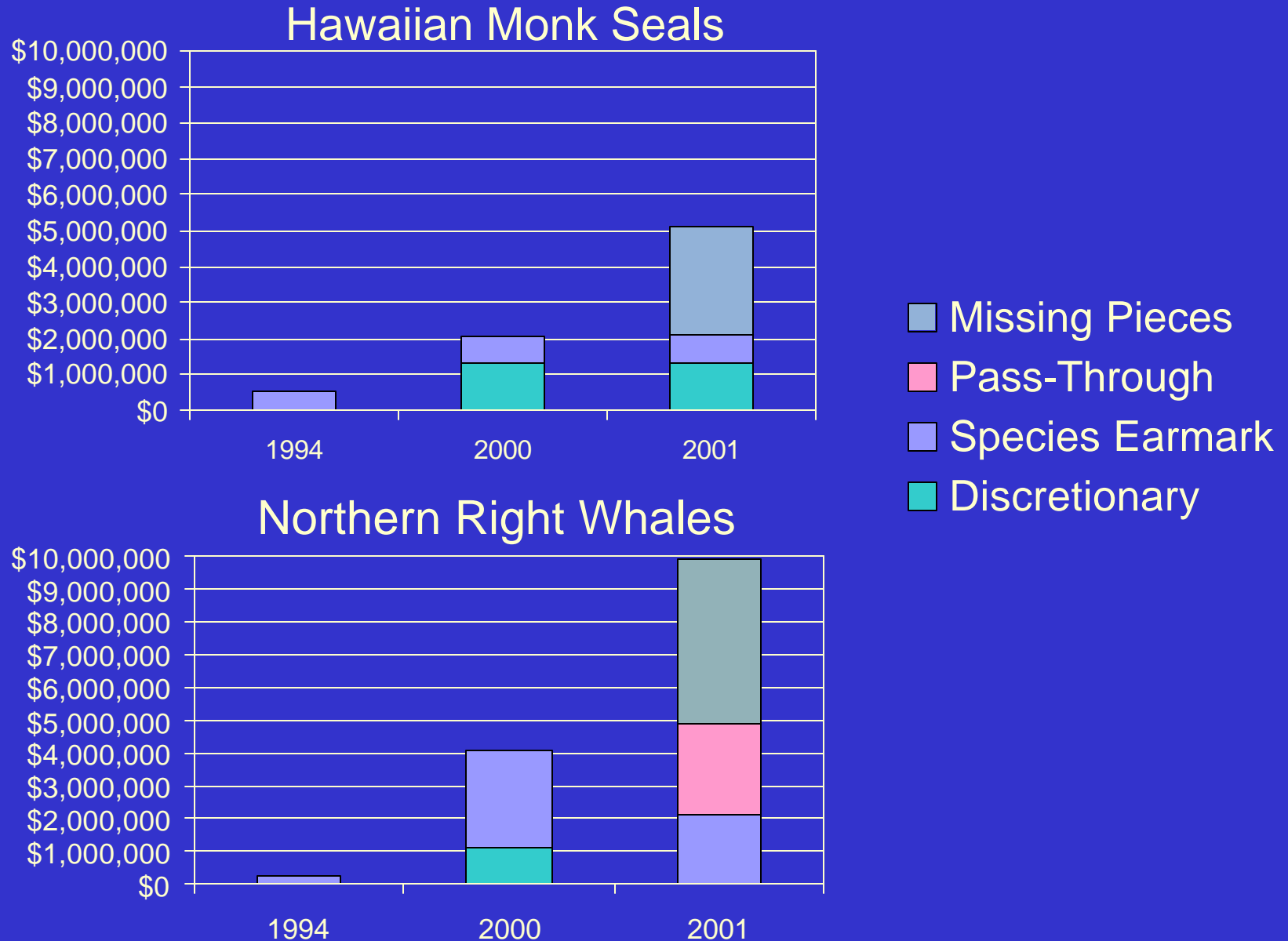


Recover Protected Species: *Summary & Suggestions*

Suggestions for FY03 priority funding areas

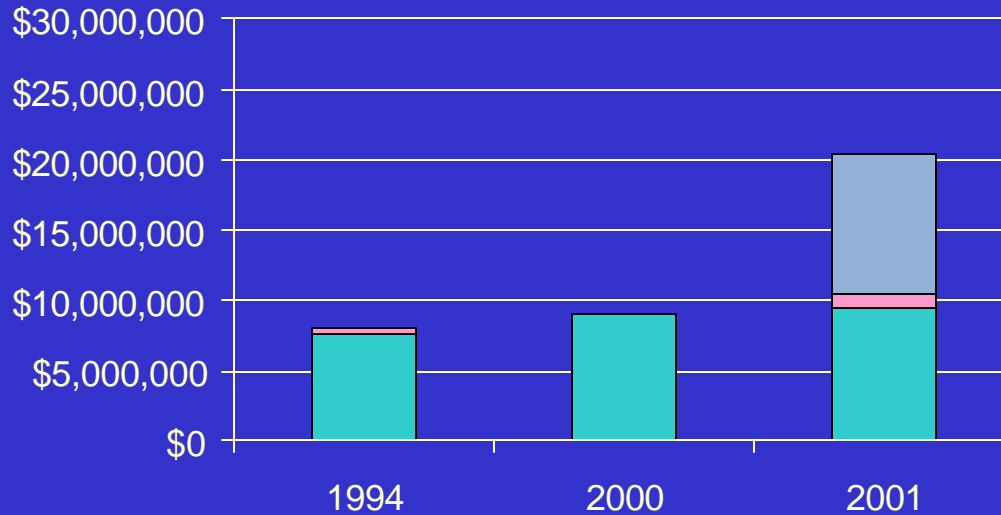
- Fund critical recovery programs including international conservation of transboundary species (\$10M)
 - Right whales, sea turtles, monk seals, Atlantic salmon, sturgeon, sea grass
- Support Pacific salmon recovery implementation (\$25M)
 - Columbia River Power System
 - Recovery domain planning and implementation

ESA Budget Examples

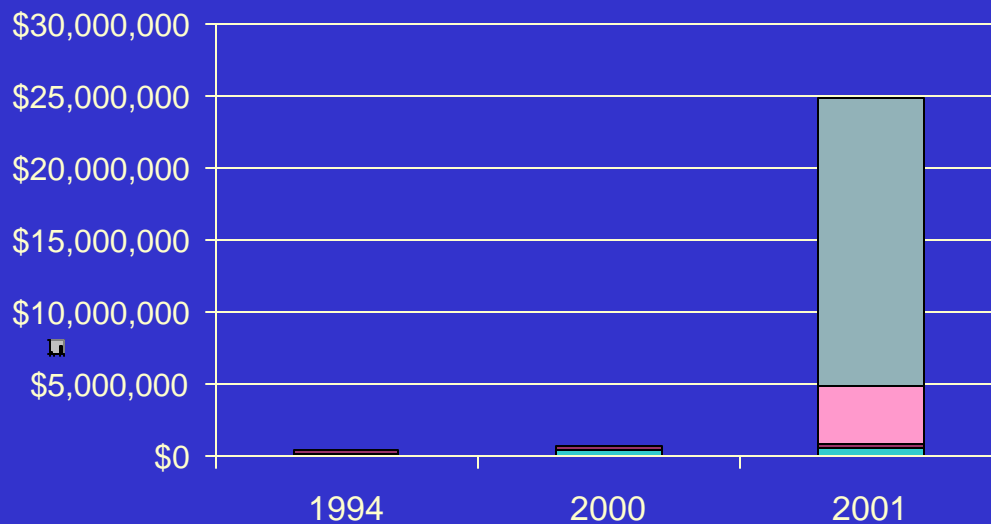


MMPA Budget Examples

MMPA Activities



Health and Strandings



- Missing Pieces
- Pass-Through
- Species Earmark
- Discretionary

Recover Protected Species

Salmon Program Challenges

Successful salmon recovery will require continued resources and recovery planning

- *Increased complexity of threats requires better focus of effort to meet agency and interagency priorities*

- *Recovery Domain Planning*
- *Columbia Basin Recovery Strategy*
- *CALFED Bay Delta*
- *National Fire Plan*

- *Requires scientific coordination to answer biological questions and implement cumulative risk analysis*

- *Requires increased capacity to address workload and planning needs*

Recover Protected Species

A team of many

- Phil Williams
- Donna Wieting
- Pat Montanio
- David Stein
- Chris Brown
- Tom Eagle
- Barbara Schroeder
- Teri Rowles
- Nancy Daves
- Marta Nammack
- Chris Mobley
- Kellie Carter
- Gene Nitta
- Tiyo Fonte
- Chuck Walker



- Don Knowles
- Jim Lecky
- Bud Antonelis
- Dick Neal
- Carol Murray
- Pete Adams
- Cathy Wang
- Richard Merrick
- Joe Scordino
- Doug Demaster
- Mike Payne
- Irma Lagomarsino
- Mike Laurs
- Mary Colligan
- David Bernhart
- Ken Zigety